



## Technical Data Sheet

# INDUFLOOR-IB1280

**Non-toxic, 2-Component, solvent-free, low viscosity, moisture tolerant, epoxy resin-based, unpigmented penetrating primer & sealer**

### Product Description:

INDUFLOOR-IB1280 is a non-toxic, 2-component, solvent-free (100 % solids), moisture-tolerant, low VOC, odourless, low viscosity penetrating epoxy resin-based primer and sealer. INDUFLOOR-IB1280 is formulated to prime & seal concrete and masonry substrates for high performance applications. Additionally INDUFLOOR-IB1280 is part of the multi-flooring system, INDUFLOOR-IB3359 where high adhesion to porous concrete surfaces is fundamental.

### Primary Uses:

INDUFLOOR-IB1280 is typical applications of:

- Prime & seal concrete and masonry surfaces
- Adhesion promotion between substrates and subsequent applications such as but not limited to: epoxy coatings, self-level floor toppings, floor screeds & PU floor systems.
- Bonding epoxy flooring to concrete, steel, and masonry.
- Sealing concrete substrates; enhanced protection against chemical reagents, water and water-soluble salts.

### Advantages:

- Easily applied by brush or roller.
- Low VOC, odourless.
- Solvent-Free (100% Solids)
- Non-toxic; suitable for contact with potable water.
- Excellent rapid cure even at low temperature
- Rapid cure even at low temperatures, dampness or humid conditions.
- Superior adhesion to dry & damp surfaces.
- Excellent tensile & flexural strengths.
- Low viscosity; ensures effective penetration & strengthening of surface.
- Excellent anti-corrosion properties.
- Excellent resistance to water, waste water and salt water.
- It will perform as waterstop membrane (moisture vapour barrier)

### Standards:

INDUFLOOR-IB1280 is formulated to comply with all requirements of ASTM C- 881 Type I & II, Grade 1, Class B & C.

### Typical Properties:

Appearance:	Amber liquid (mixed materials)
Specific gravity:	1 at 20 °C
Solid content:	100 % by weight
Application temperature:	5 °C – 40 °C
Pot-life:	45 mins at 25 °C
Full cure:	7 days at 25 °C
Bond strength to concrete :	> 4 N/mm <sup>2</sup>

### Application Guide

#### Surface Preparation:

All surfaces must be sound, clean and free from dust, grease, oils, curing agents, mould release agents and other contaminations adversely affecting bond with the substrate.

Steel or metal surfaces should be free from rust or scale in accordance with SA 2&½ (white metal finish). All adhesion preventing contaminants should be fully removed.

#### Mixing:

Stir well, each of the components (separately) prior to the mixing of the two components. Empty the entire content of component B into the canister of component A. Using an appropriate drill attached with an approved mixing paddle, mix (RPM approx. 300) the entire contents well for at least 3 to 5 minutes, until a uniform colour and consistency is achieved.

#### Placement:

Apply the properly mixed INDUFLOOR-IB1280 onto the prepared substrate using a suitable brush or roller. Airless spray equipment can be used in case of large areas.

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Whilst the coating is still tacky apply the subsequent floor coating, self-level floor topping, floor screed or PU flooring system. If INDUFLOOR-IB1280 dries out, re-prime before commencement with the subsequent layer.

## **Cleaning:**

Clean all tools & equipment during and immediately after completion of works with INDU-IB Cleanser. Hardened material can only be removed mechanically.

## **Estimating & Supply**

### **Packaging:**

INDUFLOOR-IB1280 is supplied in 6 kg packs.

### **Consumption:**

As a "primer": 0.20 – 0.30 kg/m<sup>2</sup> (\*)

As a "sealer": 0.20 – 0.50 kg/m<sup>2</sup> at 2 coats (\*)

(\*) Consumption depends on surface porosity, levelness, ambient & substrate temperatures.

### **Storage & Shelf-life:**

Both components have a shelf life of 24 months when original, unopened containers are stored in a dry, well ventilated warehouse away from moisture, direct sunlight, extreme temperatures (keep above 6 °C & below 35 °C) on pallets, elevated from the floor.

### **Health and Safety:**

- INDUFLOOR-IB1280 is non-toxic & non-hazardous during handling, storage, use and after curing.
- Do not dispose any of the components or unhardened material into water sources or onto soil. Expired or out of pot-life material should be disposed of in accordance with local environmental regulations.
- Splashes on skin can be washed with soap and clean water.
- For more details about safety requirements, please refer to valid MSDS!